

15 EXAMINATION OF CHECKWRITER MACHINES	Page 1 of 2
<div style="text-align: center;"> Division of Forensic Science QUESTIONED DOCUMENTS PROCEDURES MANUAL </div>	Amendment Designator:
	Effective Date: 1-April-2003
<div style="text-align: center; margin-bottom: 10px;"> 15 EXAMINATION OF CHECKWRITER MACHINES </div> <div> <p>15.1 Objective</p> <p>To determine whether two (or more) impressions were prepared with the same checkwriter; or to determine whether a specific impression was prepared with a particular checkwriter.</p> <p>15.2 References</p> <ul style="list-style-type: none"> • Harrison, Wilson R.; <u>Suspect Documents</u> (Second Edition); Sweet & Maxwell Ltd., 1966 • Ellen, David; <u>The Scientific Examination of Documents</u> (Second Edition); Taylor & Francis Ltd., 1997 • Hilton, Ordway; <u>Scientific Examination of Questioned Documents</u> (Revised Edition); Elsevier, 1982 • Vastrick, T., "Classification and Identification of Checkwriters", ABFDE monograph, Houston, TX, 1991 • Hargett, J.W. & Dusak, R.A, "A Compilation of Research on the Checkwriter Industry for the Purpose of Classification and Identification", 29th Meeting of the AAFS, San Diego, CA, 1977 • Crane, Adrian, "Identification of Ridge and Groove Cheque Protectors by Platen Ridge Defects", CSFS, Vol. 20, No. 1, March 1987 • Vastrick, T.W. & Smith, E.J., "Checkwriter Identification – Individuality", JFS, Vol. 27, No.1, January, 1982 <p>15.3 Equipment</p> <ul style="list-style-type: none"> • Stereo microscope • Light source of such a design to allow for oblique lighting • Transmitted light box • Magnifier <p>15.4 Procedures</p> <p>15.4.1 These procedures may not address all aspects of any uncommon or unusual circumstances encountered during examinations.</p> <p>15.4.2 The procedures outlined below may not be possible or necessary in each and every case.</p> <p>15.4.3 Establish that the submitted impression(s) were prepared on a checkwriter, and not the result of some other process made to resemble a checkwriter impression (e.g. hand drawn).</p> <p>15.4.4 Establish whether the examination will be a comparison of exclusively questioned impressions; a comparison of a questioned impression(s) with a known impression(s); or a comparison of a questioned impression(s) with a checkwriter machine.</p> <p>15.4.5 Evaluate the suitability of the submitted questioned impression(s) for comparison. Factors affecting suitability include clarity, detail, degree of inking, and general condition of the document.</p> <p>15.4.6 Evaluate the suitability of any known impressions submitted for comparison.</p> </div>	

15 EXAMINATION OF CHECKWRITER MACHINES	Page 2 of 2
<div>Division of Forensic Science</div> <div>QUESTIONED DOCUMENTS PROCEDURES MANUAL</div>	Amendment Designator:
	Effective Date: 1-April-2003
<p>15.4.7 If a checkwriter machine is submitted the following may be applicable.</p> <p>15.4.7.1 Note its general condition (e.g. damaged).</p> <p>15.4.7.2 Note the settings, particularly the amount the machine is set to imprint.</p> <p>15.4.7.3 Prepare appropriate specimens, as needed, and evaluate their suitability for comparison. (Note: Begin without changing any machine settings, then change as necessary to obtain appropriate specimens for comparison.)</p> <p>15.4.8 Conduct appropriate side-by-side comparison (questioned impression to questioned impression, questioned impression to known impression, or questioned impression to the checkwriter machine using the specimens prepared in 15.4.7.3, above).</p> <p>15.4.8.1 Compare the class characteristics (e.g. impression format, typeface design and size, printing element characters, prefix, payee perforator, platen impressions, inking system). (Note: Prefixes in some machines are removable and interchangeable.)</p> <p>15.4.8.2 Compare any individual characteristics in common (e.g. wear and damage defects, perforation patterns, misalignments, reproducible blemishes, ribbon shift, impression voids, improper inking, extraneous inking, individual prefix features).</p> <p>15.4.9 Evaluate the significance of any similarities, dissimilarities, or limitations observed in 15.4.8.1 and 15.4.8.2, and form a conclusion.</p> <p style="text-align: right;">◆End</p>	